

REMARKS

Applicant respectfully requests reconsideration of the subject application as amended. In response to the Office Action mailed 8/13/04, Applicant is filing this amendment. Please amend claims 1-4, 11, 17-21, 24-26, 32 and 33. Please cancel claims 5 and 22. Accordingly, claims 1-4, 6-21 and 23-33 are still pending.

In the Office Action mailed 8/13/04, the Examiner has required a new title. Please amend the title as noted above.

The Examiner has rejected claim 33 under 35 U.S.C. §112, second paragraph, stating that the term “representing” as being indefinite. Applicant has amended claim 33 to clearly recite that the carrier medium comprising one or more data structures is to manufacture a processor. Accordingly, Applicant requests for the withdrawal of the 35 U.S.C. §112, second paragraph, rejection.

The Examiner has also rejected claims 1, 4, 6-8, 11, 12, 18, 21, 23, 24, 26, 27 and 33 under 35 U.S.C. §102(b) as being anticipated by Talgam (Shadow Scoreboard and Implementation). Applicant submits that Talgam fails to disclose the elements of the independent claims, as amended. Talgam discloses a shadow scoreboard which follows the processor scoreboard identically, but updating is disabled when an exception or interrupt is acknowledged by the machine, to retain a copy of the processor scoreboard prior to the exception handling. When the exception recovery is finished, the shadow scoreboard is copied back to the processor scoreboard and normal processing resumes.

The amended independent claims recite a first scoreboard operating as an issue scoreboard and a second scoreboard operating as a replay scoreboard to scoreboard instructions which have passed a replay stage in a pipeline. Applicant submits that Talgam fails to disclose the features of the elements as recited in the amended independent claims. Accordingly, Applicant requests the Examiner to withdraw the 35 U.S.C. §102(b) rejection and allow pending claims 1-4, 6-21 and 23-33, as amended.

If there are any fee shortages related to this response, please charge such fee shortages to Deposit Account No. 50-2126.

Respectfully submitted,

GARLICK, HARRISON & MARKISON, LLP
(Customer No. 34,399)

Date: 10-7-04

By: William W. Kidd
William W. Kidd
Reg. No. 31,772
Phone: (512) 263-1842
Fax No: (512) 263-1469
Email:wkidd@texaspatents.com

CERTIFICATE OF MAILING

37 C.F.R 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date below:

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William W. Kidd

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